Technical Sheet

BTS
Brick to Timber Tie

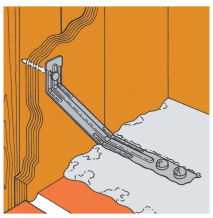
The BTS wall ties are used to restrain external brickwork back to timber frame building structures.
The BTS offers an outstanding combination of performance and cost in a wall tie for use with timber frame.
Allows up to 24mm of differential movement.













NSS3.35x50mm
Nail Supplied with BTS.

Features

Material

- Austenitic stainless steel

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Technical Data

BTS Product Dimensions

Reference	Connector Dimensions					Straps capacity	
	Other			Header dimensions	Product Dimensions[mm]	Declared Compressive Load Capacity[N]	Declared Tensile Load Capacity[N]
	Application	Type Classification	Weight[kg]	Cavity Width[mm]	B[mm]		
BTS50N	Timber Frame Cavity Wall Tie	Type 6	0.011	50	124	440.0	630.0
BTS75N	Timber Frame Cavity Wall Tie	Type 6	0.021	75	149	440.0	630.0
BTS100N	Timber Frame Cavity Wall Tie	Type 6	0.024	100	174	440.0	630.0

BTS Installed with 3.35x50mm Stainless steel annular ring shank nail (supplied with tie)
Performance is based upon nailing through 9mm OSB sheathing into C16 studwork

Installation

Installation

1. Position the tie onto fresh mortar during construction of outer leaf of blockwork
2. Tie should be nailed through the OSB (using fastener provided), with care taken to position the tie inline wth the timber frame studs
Tie Spacings
Timber frame masonry wall ties should be evenly distrbuted, typically at a density of 4.4 ties/m2 (600mm horizontal x 3.75mm vertical). However in more severe locations the tie density should be increased to 7 ties/m2 (600mm horizontal x 225mm vertical)

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